

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-138384

(43)Date of publication of application : 16.05.2000

(51)Int.Cl.

H01L 31/04

(21)Application number : 10-310468

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(22)Date of filing : 30.10.1998

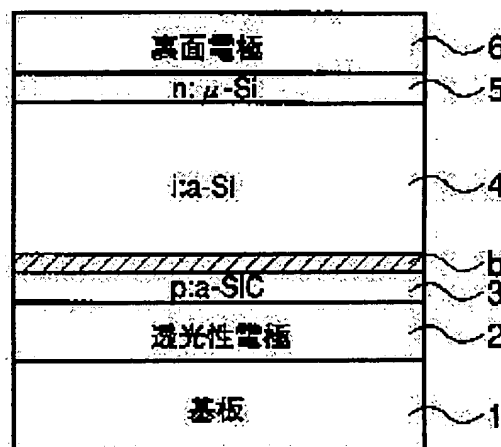
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## (54) AMORPHOUS SEMICONDUCTOR DEVICE AND ITS MANUFACTURE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a photovoltaic device improved in interface characteristics, and a manufacturing method thereof.

SOLUTION: An amorphous semiconductor device is equipped with amorphous semiconductor layers 3 and 4, which are different from each other in conductivity-type, adjacent to each other in the vertical direction, and formed on a substrate 1, where a natural oxide layer b formed of a natural oxide of a main element contained in the amorphous semiconductor layer 3 arranged closer to the substrate 1 than the semiconductor layer 4 is provided between the adjacent amorphous semiconductor layers 3 and 4.



## LEGAL STATUS

[Date of request for examination]

12.07.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

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